

What is claimed is:

1. A network system comprising:

a center;

a relay station device; and

a terminal communicating with said center
5 via said relay station device, and

wherein said relay station device has a
first function for directly communicating with
said center and a second function for
communicating with said center via another relay
10 station.

2. The network system according to Claim 1,
wherein one of a first operating mode for
executing said first function and a second
operating mode for executing said second function

5 is set to said relay station device, and

wherein a communication quantity of said
relay station device is equal to or greater than a
threshold value, said relay station device is set
to said first operating mode.

3. The network system according to Claim 2,
wherein when said first operating mode is set to
said relay station device and said communication
quantity of said relay station device is less than

5 said threshold value, said relay station device is

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4. The network system according to Claim 1, wherein one of a first operating mode for executing said first function and a second operating mode for executing said second function is set to said relay station device, and

5. The network system according to Claim 4, wherein when said first operating mode is set to said relay station device and said relay station device can communicate with said host station, said relay station device is switched from said first operating mode to said second operating mode.

wherein when said host station can

communicate with said relay station device, said
host station outputs to said center a recovery
10 declaration signal indicating that said host
station can communicate with said relay station
device, and

wherein said center outputs to said relay
station device a recovery notification signal
15 indicating that said host station is communicable
based on said communication stop signal and said
recovery declaration signal, and

wherein said relay station device is
switched from said first operating mode to said
20 second operating mode in response to said recovery
notification signal.

7. A network system, comprising:

a center;

a first relay station device;

a second relay station device provided
5 between said center and said first relay station
device; and

a terminal communicating with said center
via said first and second relay station devices,
and

10 wherein said first relay station device has
a first function for directly communicating with
said center and a second function for

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15 and

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a center;

a terminal communicating with said center

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wherein one of a first operating mode for
executing said first function and a second
operating mode for executing said second function

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9. The network system according to Claim 1,

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10. The network system according to Claim 7,

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11. The network system according to Claim 8,

station and said center, and

5 wherein at least one of communication
between said relay station device and said another
relay station and communication between said relay
station device and said terminal is made through
direct communication between terminals.

12. A relay station device, comprising:

 a relay unit relaying communication between
a center and a terminal;

 a first executing unit executing a first
5 function for directly communicating with said
center; and

 a second executing unit executing a second
function for communication with said center via
another relay station.

13. The relay station device according to Claim
12, wherein one of a first operating mode for
executing said first function and a second
operating mode for executing said second function
5 is set to said relay station device, and

 wherein when a communication quantity of
said relay station device is equal to or greater
than a threshold value, said relay station device
is set to said first operating mode.

14. The relay station device according to Claim 12, wherein one of a first operating mode for executing said first function and a second operating mode for executing said second function is set to said relay station device, and

wherein when said relay station device cannot communicate with a host station including said another relay station, said relay station device is set to said first operating mode.

15. The relay station device according to Claim 13, wherein when said relay station device cannot communicate with a host station including said another relay station, said relay station device is set to said first operating mode.

16. The relay station device according to Claim 12, wherein said relay station device is set to one of a first operating mode for executing said first function and a second operating mode for executing said second function, and

wherein said relay station device is set to one of said first operating mode and said second operating mode in response to a message indicating mode switching received from a slave station including said terminal.

17. The relay station device according to Claim 13, wherein said relay station device is set to one of said first operating mode and said second operating mode in response to a message indicating mode switching received from a slave station including said terminal.

18. The relay station device according to Claim 14, wherein said relay station device is set to one of said first operating mode and said second operating mode in response to a message indicating mode switching received from a slave station including said terminal.

19. The relay station device according to Claim 12, wherein a mobile communication network line is used for communication between said another relay station and said center, and

wherein at least one of communication between said relay station device and said another relay station and communication between said relay station device and said terminal is made through direct communication between terminals.

20. The relay station device according to Claim 13, wherein a mobile communication network line is used for communication between said another relay

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station and said center, and

5 wherein at least one of communication
between said relay station device and said another
relay station and communication between said relay
station device and said terminal is made through
direct communication between terminals.

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